

Amendments to the Claims:

The following listing of claims replaces all other versions of claims previously presented.

Listing of Claims:

- 1 (Previously Presented): A fuel cell system, comprising:
 - a laminate of unit cells, each unit cell comprising a coolant passage;
 - a coolant supply manifold passing through the laminate, which distributes coolant from a coolant recirculation device provided outside the laminate to the coolant passages of the unit cells;
 - a coolant discharge manifold passing through the laminate, which recovers coolant from the coolant passages of the unit cells to the coolant recirculation device;
 - a valve which shuts off circulation of the coolant between the laminate and the coolant recirculation device; and
 - a bypass passage connecting the coolant supply manifold and the coolant discharge manifold, wherein the bypass passage has a larger cross-section than a cross-section of the coolant passages.
- 2 (Previously Presented): The fuel cell system as defined in Claim 1, wherein the valve comprises a valve which shuts off the connection between the coolant supply manifold and the coolant recirculation device.
- 3 (Previously Presented): The fuel cell system as defined in Claim 1, wherein the valve comprises a valve which shuts off the connection between the coolant discharge manifold and the coolant recirculation device.
- 4 (Previously Presented): The fuel cell system as defined in Claim 1, wherein the unit cells comprise a first unit cell situated in a center portion in the lamination direction of the

laminate, and a second unit cell situated in another portion including ends of the laminate, and a circulation resistance of the coolant passage of the first unit cell is set to be less than a circulation resistance of the cooling passage of the second unit cell.

5 (Previously Presented): The fuel cell system as defined in Claim 4, wherein the laminate has a vertical cross-section in a direction of lamination in which the center portion of the laminate is situated lower than both ends of the laminate.

6 (Previously Presented): The fuel cell system as defined in Claim 4, wherein the fuel cell system further comprises a pair of grip members which grip the laminate, and the bypass passage comprises a bypass passage formed inside one of the grip members, and a bypass passage formed inside the other of the grip members.

7 (Previously Presented): The fuel cell system as defined in Claim 6, wherein the fuel cell system further comprises a pump which recirculates the coolant in a coolant recirculation passage including the coolant supply manifold, the coolant discharge manifold, and the bypass passage.

8 (Previously Presented): The fuel cell system as defined in Claim 7, wherein the fuel cell system further comprises a temperature sensor which detects a temperature of the laminate, and a programmable controller programmed to control a discharge flow rate of the pump based on the temperature of the laminate.

9 (Previously Presented): The fuel cell system as defined in Claim 8, wherein the controller is further programmed to open and close the valve based on the temperature of the laminate.

10 (Previously Presented): The fuel cell system as defined in Claim 9, wherein the fuel cell system further comprises a temperature deviation detection sensor which detects a

temperature deviation inside the laminate, and the controller is further programmed to vary an opening of the valve based on the temperature deviation inside the laminate.

11 (Previously Presented): The fuel cell system as defined in Claim 10, wherein the temperature deviation detection sensor comprises a sensor which detects a temperature of the first unit cell, and a sensor which detects a temperature of the second unit cell.

12 (Previously Presented): The fuel cell system as defined in Claim 7, wherein the fuel cell system further comprises a voltage sensor which detects a power generation voltage of the laminate, and a programmable controller which controls a discharge flow rate of the pump based on the power generation voltage of the laminate.

13 (New): The fuel cell system as defined in Claim 1, wherein a pair of bypass passages are formed in the laminate, one of the bypass passages connecting an end of the coolant supply manifold and an end of the coolant discharge manifold, and the other of the bypass passages connecting another end of the coolant supply manifold and another end of the coolant discharge manifold, wherein the bypass passages have a larger cross-section than a cross-section of the coolant passages.